



Curriculum vitae

Updated: 2025.06.01

Biography

First Name: **Hossein**

Last Name: **Akbari**

Date of Birth: 1984/05/11

Place of Birth: Khoy, West Azerbaijan

Faculty: Public Health

Department: Epidemiology & Biostatistics

Rank: PhD

Current Job Position: Assistance Professor of Epidemiology.

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Teaching Experience

1. Fundamental of Epidemiology, Public Health School, TUMS & TBZMED, at basic and master level
2. Health informatics (Health Data Processing and Analysis), TUMS.
3. Scientific Writing in Master and PhD level, TUMS.
4. Health Research methods. TBZMED.
5. Communicable Diseases Epidemiology in Iran, TBZMED
6. Non-communicable Diseases Epidemiology, TBZMED
7. Advanced Epidemiology, TBZMED, MD level
8. Academic writing, TBZMED, master level.

Memberships

1. Iranian Epidemiological Association (IREA)
2. Rapid Response Team, former member (CDC-MPH, I.R.Iran)
3. National Influenza Committee member, former member
4. National Working Group for management of communicable diseases across the borders (Deputy of Health, MOH, I.R. Iran)

Professional/Administrative Experiences

1. International Health Expert. Communicable disease officer.
2. Senior Expert of IHR (International Health Regulation) and Global Health Security, Surveillance dept. Center for Communicable Disease Control – MOHME. I.R.Iran.
3. Field epidemiology and Public health emergencies response technical officer.

Specialization

Epidemiology:

1. Health System Research
2. Data management and Analysis
3. Statistical Softwares (SPSS, STATA, R, CAMCR)
4. Other softwares (EndNote, Microsoft Office, Mendeley)
5. Systematic Electronic Evidence Search
6. Epidemiology of Substance Abuse
7. Field Epidemiology

Public Health:

1. Public Health Surveillance Monitoring and Evaluation
2. Risk Assessment and Risk Communication of Public Health Emergencies.
3. International Health and Global Health Security

Educational Background

1. BSc of Public Health (Tehran university of Medical Sciences)
2. MSc of Epidemiology (Tehran university of Medical Sciences)
3. PhD of Epidemiology (Tehran university of Medical Sciences)

Training Courses:

1. Scientific Writing, Introductory and advanced level Training, May, 2009, Tehran, Iran.
2. Statistical Analysis using SPSS software, May 2009, Tehran Iran.
3. Reference Manager in scientific writing, May 2009, Tehran, Iran.
4. International Consultancy for Aedes-borne Disease surveillance in EMRO region (Islamabad Pakistan) 3 days
5. Public Health Emergency Contingency Planning in Points of Entry Workshop, Tehran, Iran, 5-10 September, 2015.
6. Statistical Analysis using STATA software, Kerman, Iran (2012). 3 days
7. Summer Course of Field Epidemiology (EPIET) Bernard-nacht Institute and School of Public Health (TUMS) 21 days.
8. Outbreak detection, Investigation & Control Course (WHO/EMRO-epicenter) pasture institute of Iran, Akanlu, Hamadan, Iran. 9-12 December 2015.
9. Strengthen Hospital Prevention and Control Capacity Workshop Tehran, Iran, 26 October- 1 November 2015.
10. International training course on Tularemia (Pasteur Institute, Hamadan, Iran) 3 days, 2016.
11. Training Workshop on Public Health Events Entry Screening Measures as Requested Under The International Health Regulations (IHR2005) 30 October-1 November 2017, Isfahan, Iran.
12. National Workshop on Zika Virus 2 days (TUMS, Iran), 2016.
13. Training workshop on ship inspection and issuing ship sanitation certification (SSC) as required under IHR₂₀₀₅, 22-27 October 2016, Bandar Abbas, Iran.
14. Chemical events and emergency management (Baghayatollah Azam University of Medical Sciences, Tehran, Iran) 3 days, 2016.
15. Emergency Response Workshop on Refugee Protection for Managers, Tehran, Iran, 12-15 November 2017.
16. Training of Trainers of In-country Rapid Response Teams (RRT) on Field Investigation and Response to respiratory outbreaks caused by Novel Pathogens, Beirut, Lebanon 25-28 September 2017.
17. Monitoring and Evaluation of IHR, EMRO Regional Simulation Exercise Training, Morocco, 16-18 January 2018.
18. Summer School of Refugees and migrants Health, 24-28 September, 2018, Palermo, Italy.
19. Regional Meeting to Develop a Regional Plan for Action for Promoting the Health of Migrants and Displaced Population, 25-27 March 2019.
20. Hospital Emergency Preparedness and Response, 22-26 September 2019, Tehran, Iran.

Research Interests

1. Epidemiology of Addiction (indirect methods of prevalence estimation).
2. Evaluation of Health Surveillance Systems.
3. Health System Research and Global Health Security
4. Survival Studies.
5. Communicable Disease Epidemiologic and Statistical Modellings.

Publications

Journal articles:

1. Investigating the Choice of Delivery Method Type and Its Related Factors in Pregnant Women in Maragheh. *Knowledge & Health* 2009;4(1):36-39 [in Persian].
2. Factors related to undesirable growth of 6 month –2years old children in Tabriz-Iran, *J Gorgan Uni Med Sci*. Autumn 2010; 12 (3): 45-50 [in Persian].
3. Community assessment for identification of problems and developing action plans to improving public health of hashtroud town, summer 2009, *Depiction of Health*, National Public Health Management Center, vol.1, No1, 2010. [in Persian]
4. Mental Health and Associated Factors amongst Women Referred Health Care Centers, *Iranian Journal of Health & Care*, Vol 13, No. 4, 2012. [in Persian]
5. Addiction Relapse and Its Predictors: A Prospective Study, *Addiction Research & Therapy*, Vol 3, Issue 1, 2012.
6. Timeliness of Malaria Surveillance System in Iran, *Iranian Journal of Public Health*, Vol 42, No 1, 2013.
7. Influenza vaccination in identified people living with HIV/AIDS and health care providers of triangular clinics in I.R.Iran, 2015-2016, *Iranian Journal of Public Health*, Vol 47, No 2, 2018.
8. Estimation of influenza and severe acute respiratory illness incidence (burden) in three provinces of the Islamic Republic of Iran, 2012 and 2013. *Eastern Mediterranean Health Journal*, Vol 22, 2016.
9. Incidence, mortality and burden of severe acute respiratory infections in Iran in 2015. *Iranian Journal of Public Health*, Vol 48, 2019.
10. Risk Factors Associated with Outcomes of Seasonal Influenza in Pregnant Women Referring to Health Care Centers in Iran in 2015-2016. *Archives of Clinical Infectious Diseases*, Vol 14, 2019.

11. Profile of drug users in the residential treatment centers of Tehran, Iran. *Health Promotion Perspectives*, Vol 9, 2019.
12. A Review of Influenza Surveillance System in the Islamic Republic of Iran: History, Structures and Processes, *Iranian Journal of Epidemiology*, Vol 15, 2019.
13. Investigation of the Factors Related to Mortality and Length of Hospitalization among COVID-19 Patients in East Azerbaijan Hospitals, *Iran Journal of Research in Health Sciences*, 22.3 (2022)
14. Prevalence and Determinants of Non-daily Smoking among Iranian University Students: A Web-based Survey. *Epidemiology and Health System Journal*, 10(2): 55-62, 2023.
15. Prevalence of smoking, alcohol consumption, and drug abuse in Iranian adults: Results of Azar Cohort Study. *Health promotion perspectives*. 2023 Jul 10;13(2):99.
16. Factors associated to patients' referral to private Covid-19 healthcare centers in Tabriz, Iran. *BMC Health Services Research*, 2022.
17. COVID-19 Vaccination Adverse Events in Children: An Investigation with a Control Group in Tabriz Metropolitan City. *Archives of Razi Institute*. 2024 Sep 1;79(5).
18. Survival, mortality and epidemic risk status of COVID-19: a population-based Study in Golestan province, Iran. *Archives of Public Health*. 2024 Jul 8;82(1):105.
19. Investigating the Relationship Between Sleep Quality, Sleep Duration, and Frailty Syndrome Among Older Adults in Naqadeh, 2020. *Iranian Journal of Epidemiology*. 2024 Mar 10;19(4):280-9.
20. The attitude of the unvaccinated children's parents toward pediatric COVID-19 vaccination in Tabriz, Iran. *BMC pediatrics*. 2025 Mar 28;25(1):248.
21. Sinopharm COVID-19 Vaccination during Pregnancy Triggers Thyroid Stimulating Hormone Levels in Newborns. *American Journal of Perinatology*. 2025 Mar 6.

Books and Guidelines:

1. Guideline for Outbreak detection, Investigation, management and Control related to international health regulations, CDC, MOH.
2. A Tool for Communicable Disease Risk Assessment and Risk Communication in Outbreaks and Emergencies, CDC, MOH.
3. International Health Regulations 2005 (Translation to Persian with formal confirmation of WHO), CDC, MOH.
4. Multiple-Choice Questions for Epidemiology of Prevalent Diseases In Iran
5. National Guideline of Implementation of IHR in Air Transport.
6. IHR 2005 (International Health Regulation) [Persian translation].
7. National consultancy to develop standardized SOP, guideline and training materials for regulations with airports through reviewing available material and adapting them (including the translation) to the context of Iran.
8. A Guidance for Public Health Surveillance in Hajj and Arabaein Ceremonies.

Congress:

1. Timeliness of Malaria Surveillance system in Iran (2014), International congress of malaria Control, 25-27 January 2012, Kish Island, Iran.
2. Prevalence of Hepatitis B & C in migrants of I.R.Iran, International congress of infectious disease, Shahid Beheshti University of Medical Sciences (2015)
3. Factors related to undesirable growth of 6 months –2years old children in Tabriz-Iran (2013), Epidemiology Congress, Kermanshah, Iran
4. Population Size Estimation Using Zero Truncated Count Data, (Single Source Capture Re-Capture) 9th Annual International Addiction Science congress. Iran University of Medical Sciences, 9-11 December, 2015.
5. Descriptive Epidemiology of severe Acute Respiratory Infection in 2014-2015 flu season, Epidemiology Congress Ilam, 2015.
6. Iranian Influenza Surveillance System, Epidemic Severity and Thresholds. EMARIS Conference, Jordan, 11-14 December 2017.
7. Associated factors for COVID-19 Vaccine refusal in Tabriz City, Covid lesson learned and achievement congress, Tehran, Iran, September 2024.
8. Survival, mortality and epidemic risk status of COVID-19: a population based study in Golestan province, Iran. Covid lesson learned and achievement congress, Tehran, Iran, September 2024.